

NOTE.—The application for a Patent has become void.

This print shows the Specification as it became open to public inspection.

## PATENT SPECIFICATION



Convention Date (France): Jan. 29, 1923.

210,461

Application Date (in United Kingdom): Jan. 29, 1924. No. 2374/24.

Complete not Accepted.

### COMPLETE SPECIFICATION.

#### Apparatus for Converting the Vis Viva of Tide into Motive Power.

I, GASTON BRINET, 95, rue du Casino, Royan (Charente Inférieure) France, a French citizen, Engineer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The apparatus forming the object of the invention is composed of a vertical shaft *a*/, Fig. 3 carrying slopes P, P, P, P, radially arranged about a hub provided with a pawl-and-ratchet gear which allows the apparatus to revolve in one direction only but steadies the same in the reverse direction.

The slopes or inclined planes are of two different kinds: Some of them are so arranged as to operate under the action of the flood-tide which strikes the same upwardly Fig. 1, while the others are so arranged as to work under the action of the ebb-tide which strikes the same downwardly Fig. 2.

The shaft carrying the said slopes has also a continuous circular motion imparted thereto.

This shaft is mounted through medium of suitable bearings within a well which is connected with the sea and into which the waves enter Fig. 3, and cause, through their up and down motion, the above mentioned circular motion. The apparatus which is shown in the accompanying drawings is provided with but a single set of slopes for the flood-tide and a single slope for the ebb-tide, but in practice, the number of these rings of

slopes can be increased according to power of the apparatus.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. Apparatus for converting the *vis viva* of tide into motive power comprising a vertical shaft, slopes carried by this shaft and radially arranged about a hub, a pawl and ratchet gear mounted upon this hub for allowing the apparatus to revolve in one direction but stopping the same in the reverse direction.

2. Apparatus for converting the *vis viva* of tide into motive power as under Claim 1, comprising a vertical shaft provided with radially arranged slopes, some of them being influenced by the flood-tide acting upon them upwardly the others are influenced by the ebb-tide acting downwardly upon them;

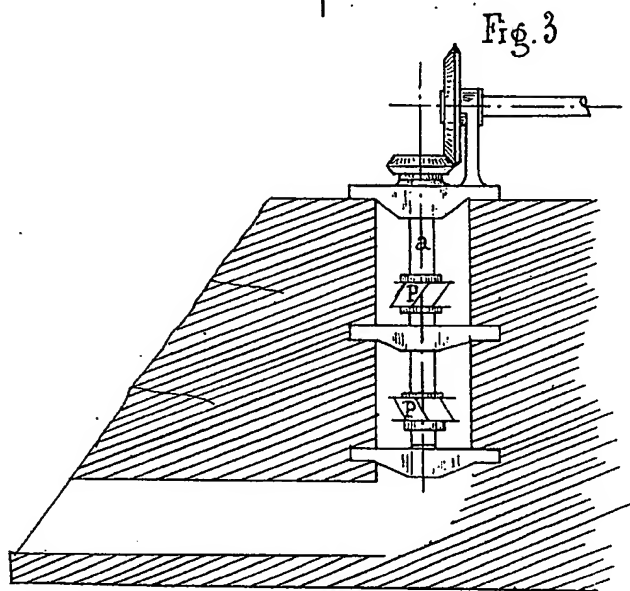
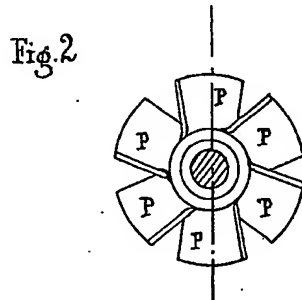
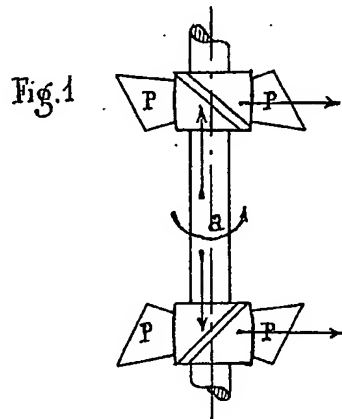
3. Apparatus as under Claims 1 and 2 comprising a shaft, bearings for this shaft mounted within a well connected with the sea and into which the waves enter so as to impart through their up and down-motion a continuous circular movement to the shaft;

4. Apparatus for converting the *vis viva* of tide into motive power, substantially as described with reference to the accompanying drawing and for the purpose specified.

Dated this 29th day of January, 1924.

STANLEY, POPPLEWELL & Co.

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